## BEST AVAILABLE COPY

| POSITION                  | INITIALS | ID NO. | DATE      |
|---------------------------|----------|--------|-----------|
| FEE DETERMINATION         | 0,4      |        | 12/2/1/20 |
| O.I.P.E. CLASSIFIER       |          | 32/    | 12/21     |
| FORMALITY REVIEW          | 7        |        |           |
| RESPONSE FORMALITY REVIEW | 21       |        |           |
|                           | AB)      | #00033 | 1-24-00   |

## **INDEX OF CLAIMS**

| • | Rejected                   | N   | Non-elected  |
|---|----------------------------|-----|--------------|
| = | Allowed                    | - 1 | Interference |
| _ | (Through numeral) Canceled | Α   | Appeal       |
| ÷ | Restricted                 | 0   | Objected     |

|                   |                            |           |          |             | ÷             | ٠.   | · · · · · ·  |  |              |          | •••• | •••••    | He       | stric  | ted  |              |          |           | 0        | •••      | •••••    | ••••           | •••••  | ••••• | •••••        | Obje       | ected        | t                  |          |                |          |                 |  |                |        |
|-------------------|----------------------------|-----------|----------|-------------|---------------|--|--------------|--|--------------|----------|------|----------|----------|--|--|--------------|----------|-----------|----------|----------|----------|----------------|--|-------|--------------|------------|--------------|--------------------|----------|----------------|----------|-----------------|--|----------------|--------|
| Claim             |                            |           |          |             | Da            | te   |              |  |              |          | ]    | С        | laim     |  |  |              |          | Da        | te       |          |          |                | _  | ]     | Cla          | aim        |              |                    |          | Da             | te       |                 |  |                | _      |
| Final<br>Original | 1/6                        | 103       | ろれのり     | 100         | 33.33         | 3,45   |              |  |              |          |      | i i      | Original | ,  |  |              |          |           |          |          |          |                |  |       | Final        |            |              |                    |          |                |          |                 |  |                |        |
|                   | Ş                          | 4         | <b>!</b> | <u>√.</u>   | ×             | 4  |              | L  | L            | <u> </u> | ]    |          | 5        |  |  | _            | L        |           | _        |          | Ĺ.,      | L              | L  |       |              | 101        | Ţ            |                    |          |                |          |                 |  |                | Ţ      |
| 10 3              | 2                          | H         | Н        | H-          | ļ.,           | _  | ـ            |  | -            | 1_       | 1    | L        | 52       |  | <u> </u>   | <del> </del> | L        | ļ         | ┞        | Ļ.       | ļ        | ┞              | ↓_   |       | <u> </u>     | 102        | <u> </u>     | L                  | ┖        |                |          | <u> </u>        | ↓_   | L              | ļ      |
|                   | $\boldsymbol{\mathcal{L}}$ | Н         | Н        | ₩.          | У             | E  | ┼            | ـــ  | -            | ╀        | ł    | -        | 53<br>54 |  | ⊢  | ┡            | L        | ⊢         |          | ⊢        | L        | $\vdash$       | ↓_   |       | <u> </u>     | 103        | $\bot$       | $\vdash$           | _        | _              | <u> </u> | ┡               | <u> </u>   | L              | 1      |
|                   | _                          | Н         | H        | ╁           | \ <u>`</u>    | -  | ╁╌           | ┼  | ╁            | ╀        | ł    | -        | 5        |  | ╀  | ┢╌           | ┢        | -         | ├        | ⊢        |          | ⊢              | ┼-   | ١.    | -            | 104<br>105 | ╀            | ╀                  | ├-       | ŀ              | ⊢        | ⊢               | }  | ╂-             | $^{+}$ |
| 6                 | 7                          | H         | Н        | H           | 1.7           | 三  | $\vdash$     | ╁  | -            | ╁        | ł    | $\vdash$ | 56       |  | ┼  | ⊢            | ┢        | $\vdash$  | $\vdash$ | ├-       | ┢        | ├-             | $\vdash$   | ł     | $\vdash$     | 106        | ╁            | ╁                  | ⊢        | -              | ├        | ┢╌              | ⊢  | +              | ╀      |
| 7                 |                            | H         | Η,       | H           | X             | Ę  | H            | <del>                                     </del> | ┢            | $\vdash$ | 1    | $\vdash$ | 57       | +  | 1  | H            | Н        | $\vdash$  | -        |          | ┢        | <u> </u>       | <del>                                     </del> | 1     |              | 107        | +            | ╁                  | ┝        | -              | -        | ┝╌              | ┢  | ╁              | ╁      |
| 6                 | 5;                         | J         | Ţ        | H           | ۲             |  |              | T  | ┢            | 1-       |      | $\vdash$ | 58       | _  | 1  | <del> </del> | -        | t         |          | _        |          | ┢              | H  | 1     | -            | 108        | <del> </del> | +                  | <u> </u> | -              |          | -               | $\vdash$   | ╁              | t      |
| Ы                 | €                          | 1         | П        | П           |               | П  | П            | Г  | Ι-           |          | 1    |          | 59       | ,  | T  | T            |          |           |          | Г        |          | T              |  |       | $\vdash$     | 109        | $\dagger$    | ┢                  | †        |                |          | H               | ┢  | ┢              | t      |
| 13                |                            |           |          | П           | Ι.            |  |              | Γ.   |              |          |      |          | 60       |  |  |              |          | П         |          | _        | <u> </u> |                |  | 1     | T            | 110        | †            | 1                  |          | <del>  -</del> |          | T               | $\vdash$   | t              | t      |
| 11                |                            |           | П        |             | V             | =  |              |  |              |          |      |          | 6        |  | ـذًا   |              |          |           |          |          |          |                |  | ]     |              | 111        | Τ            | Γ.                 |          |                |          | Г               |  | 1              | t      |
| 186               |                            | Ш         | Ш        | Щ           |               |  | $\Box$       | $\Box$   | L            |          |      |          | 62       |  |  |              |          |           |          |          |          |                |  |       |              | 112        | Γ            |                    |          |                |          |                 | Γ  |                | T      |
| K                 |                            | 1         | Ш        | 1           | V             | _  | <u> </u>     | L  | L            | L        |      | L        | 63       | _  | L  | L            | Ŀ        | I         | $\Box$   |          |          |                |  |       |              | 113        |              |                    |          |                |          |                 |  |                | Ι      |
| PC                | Ц                          | 4         | Ц.       | 1           | 1             | <b> </b>   | $\vdash$     | <u> </u>   | _            |          |      | L        | 64       |  | _  | _            | _        | _         | _        | L        |          |                | L  |       | $\Box$       | 114        | $\perp$      | $oxedsymbol{oxed}$ |          | L              | Ŀ        |                 | L  |                | I      |
| 15                | Щ                          | 1,        | 14       | ',          | <u>V</u>      | V  | <u> </u>     | <u> </u>   | ┞            | _        |      | <u> </u> | 65       |  | _  | ╙            | L.       |           | _        | <u> </u> | ļ.,      | <u> </u>       |  |       | _            | 115        | ↓_           | <u> </u>           |          | L.             | _        | L               | L  | L              | ↓      |
| IN THE            |                            | X         | V        | <b>V</b> .: | _             | <u> </u>   | ├-           | <b>├</b> —                                       | ⊢            | H        |      | $\vdash$ | 66       |  | ├  | <u> </u>     | <u> </u> | <u> </u>  | ļ        |          |          | ▙              | <u> </u>   | ļ     | $\vdash$     | 116        | 1            |                    | 1_       |                | <u> </u> | <u> </u>        | ╙  | ┖              | ļ      |
| -                 | 0                          | 22        |          | -           | ⊢             | ⊬  | ├            | -  | ⊢            | $\vdash$ | ł    | -        | 67<br>68 |  | Ł  | ⊢            |          | _         | _        | <b></b>  |          | <del> </del> — | $\vdash$   |       |              | 117        | 1-           | ↓_                 | <u> </u> | ,              |          | <u> </u>        | ⊢  | <del> </del> _ | ļ      |
| 18                | 22                         | 7         | -        | ١,          | +             | 1  | ╁            | ┢  | ⊢            | Н        |      | $\vdash$ | 69       |  | ├  | -            | ⊢        | ├-        |          | -        | -        | -              | -  |       | <u> </u>     | 118        | $\vdash$     | ┢                  |          |                | <u> </u> |                 | ╙  | L              | ╀      |
| - 20              | -                          |           | -        | -           | 7             | 3  | -            | ╁  | H            | Н        |      | $\vdash$ | 70       |  | ┢  | ⊢            | ⊢        |           | -        | $\vdash$ |          | -              | H  |       | <u> </u>     | 119        | ╄            | ├                  | <u> </u> |                | <u> </u> |                 | ⊢  | ├-             | 1      |
| 21                | $\vdash$                   |           | _        | $\vdash$    |               |  | <del> </del> | ┢  | <del> </del> |          |      | -        | 71       | -  | -  | ├            |          |           | <u> </u> | -        | <u> </u> | -              | L  |       | -            | 120        | ╄            | ļ                  | <u> </u> | _              |          | <u> </u>        | L  | L.             | Ļ      |
| 22                | $\dashv$                   |           | -        | _           | y             | 7  |              | ╢  | ⊢            | $\vdash$ |      | $\vdash$ | 72       | ╂  | -  | ⊢            | -        |           | -        |          | ├        | -              | ┝  |       | $\vdash$     | 121<br>122 | ╁            | -                  |          | _              | -        |                 |  | ┝              | ╀      |
| 23                |                            | 4         | Н        |             | Y             | <u> </u>   | -            | ┢╌   | ├            | ├        |      | -        | 73       | -  | ╁╴   | ├            | ├─       | <u>-</u>  |          | <u> </u> | ├        | ┝              | ┝╌   |       | $\vdash$     | 123        | ┼            | ⊢                  | ├        |                | <u> </u> |                 | <u> </u>   | -              | ╀      |
| 24                | 3                          | -         |          | Н           | -             | ├  | 1            | ┢  | H            | $\vdash$ |      | $\vdash$ | 74       |  | $\vdash$   | $\vdash$     | -        | -         | -        | -        | ├        | -              | $\vdash$   |       |              | 124        | +            | -                  | ⊢        |                | -        | -               | $\vdash$   | ⊢              | +      |
| 25                |                            |           |          |             | -             | ļ -  |              | $\vdash$   |              |          |      | $\vdash$ | 75       |  | -  | <del> </del> | $\vdash$ | ┢         | -        |          | $\vdash$ | -              | -  |       | $\vdash$     | 125        | +            | ⊢                  | -        | -              |          |                 | -  | ╁              | t      |
| 2€                | Ť                          |           |          |             | $\overline{}$ | <del>                                     </del> |              | T  | $\vdash$     |          |      | $\vdash$ | 76       |  | F  | -            | l .      | $\vdash$  |          |          |          | H              | Ħ  | ١.    |              | 126        | +            | ╁╌                 |          | -              | -        |                 |  | ┢              | t      |
| 27                |                            | $\exists$ |          |             |               | Г  |              |  | ┪            |          |      |          | 77       | 1  | 1  | H            |          | <u> </u>  |          | Н        | Н        | -              |  | 1     | $\vdash$     | 127        | +            | H                  | -        |                |          |                 | <del>                                     </del> | ╁╌             | t      |
| 28                |                            |           |          |             |               |  |              |  |              |          |      | $\vdash$ | 78       |  |  |              | Г        | Г         |          | _        |          | 1              |  |       |              | 128        | 1            | <u> </u>           |          |                |          | 1               | H  |                | t      |
| 29                |                            |           |          |             |               |  |              |  |              |          |      |          | 79       | Γ  |  |              |          |           |          |          |          |                |  |       |              | 129        | T            | Г                  |          |                |          |                 |  |                | t      |
| 30                |                            |           |          |             |               |  |              |  |              |          |      |          | 80       |  |  |              |          |           |          |          |          |                |  |       |              | 130        |              |                    |          |                |          |                 |  |                | T      |
| 31                | $\perp$                    |           | _        |             |               | <u> </u>   | L            |  | L            | Ш        |      | L        | 81       |  | _  |              |          |           |          |          |          |                |  |       |              | 131        |              |                    |          |                |          |                 |  |                | Γ      |
| 32                | -                          | 4         | _        | _           | _             | Ь,   | _            |  |              |          |      | $\vdash$ | 82       | ╙  | L  |              |          |           |          |          |          | L              |  |       |              | 132        |              |                    | L        |                |          |                 |  |                | I      |
| 33                | -                          | _         |          |             |               | _  | <u> </u>     |  | lacksquare   | Ш        |      | <u>_</u> | 83       | ┞  |  |              |          | L.,       |          |          |          |                | Ш  |       |              | 133        | ļ            | <u> </u>           |          |                | _        |                 |  | L              | L      |
| 34<br>35          | -                          | -         |          | $\dashv$    |               | -  | <u> </u>     | $\vdash$   | Н            | Н        |      | -        | 84<br>85 | ⊢  | $\vdash$   |              |          | <u> </u>  | H        |          |          | Щ              | Н  |       |              | 134        |              | L                  | L        |                |          | Щ               | _  | $\vdash$       | Ļ      |
| 36                | +                          | -         | -        | $\dashv$    |               | H  | Н            | $\vdash$   | $\vdash$     | Н        |      | $\vdash$ | 86       | _  | H  | -            | -        | <u> </u>  | $\vdash$ | $\dashv$ | -        | Щ              | Н  |       |              | 135<br>136 | $\vdash$     | $\vdash$           | <u> </u> | $\dashv$       |          | H               |  | -              | ╀      |
| 37                | $\dashv$                   | $\dashv$  | $\dashv$ | ᅱ           |               | -  | $\vdash$     | -  |              | H        |      | -        | 87       | $\vdash$   |  | Н            |          |           | H        | _        | Н        | Н              | Н  |       |              | 137        | -            |                    | Ь,       | 4              |          | $\vdash$        | Н  | $\vdash$       | ╀      |
| 38                | +                          |           | -        | $\dashv$    |               | -  | -            | Н  | H            | Н        |      | -        | 88       | -  | $\vdash$   | Н            | H        |           | Н        |          | H        | H              | $\vdash \vdash$                                  |       | $\mathbf{I}$ | 138        | $\vdash$     | $\vdash$           | Н        | -              | +        | H               | $\vdash$   | ⊢              | ╁      |
| 39                | $\dashv$                   | 寸         | $\dashv$ |             |               | $\vdash$   |              | H  | -            | $\vdash$ |      | $\vdash$ | 89       | $\vdash$   | ┝╌   | Н            |          |           |          | ᅱ        |          | Н              | $\vdash$   |       |              | 139        |              | -                  | Н        | -              | $\dashv$ | Н               |  | ├              | H      |
| 40                | 7                          | 7         | -        |             |               |  | М            | Н  |              | П        |      | -        | 90       | <del>                                     </del> | <u> </u>   | Н            | Н        | Н         |          | $\dashv$ | $\dashv$ | $\dashv$       | H  |       |              | 140        | $\vdash$     | Н                  | Н        | $\dashv$       | Н        | Н               | H  |                | H      |
| 41                | $\dashv$                   | ┪         | $\neg$   |             | -             | П  | H            | Н  | H            |          |      | H        | 91       | H  | <del>                                     </del> | H            |          | H         | H        |          | $\dashv$ | $\dashv$       | $\vdash$   |       | Н            | 141        | 1            | Н                  | -        |                | Н        | $\vdash$        | H  | $\vdash$       | H      |
| 42                | $\dashv$                   | ┪         | ┪        |             | -             | Н  | Н            |  | Н            | $\vdash$ |      | $\vdash$ | 92       |  | $\vdash$   | $\forall$    | Н        | Н         | $\dashv$ | ⊣        | $\dashv$ | $\dashv$       | ${oldsymbol{dash}}$                              |       |              | 142        | $\vdash$     | Н                  | $\dashv$ | -              | -        | $\vdash$        | Н  | $\vdash$       | H      |
| 43                | 7                          | 7         | 7        | 1           |               | Н  | Н            | Н  | H            | $\vdash$ |      | $\vdash$ | 93       | $\vdash$   |  | $\dashv$     | $\dashv$ | $\dashv$  | $\dashv$ | $\neg$   | $\dashv$ | $\dashv$       | H  |       |              | 143        | $\vdash$     | Н                  |          | $\dashv$       |          |                 | -  | ├-             | H      |
| 44                | $\dashv$                   | T         | ┪        |             |               | Н  | Н            |  | П            | $\vdash$ |      |          | 94       | _  |  | ٦            |          | $\neg$    |          | $\neg$   |          |                | $\vdash$   |       |              | 144        | $\vdash$     | H                  | -        | $\dashv$       | -        | $\vdash$        | $\overline{}$                                    | -              | t      |
| 45                | 7                          |           | 7        | 7           | ٦             | Н  | П            |  |              | $\dashv$ |      | H        | 95       | Г  |  |              | H        | -         | $\neg$   | $\dashv$ |          |                | $\dashv$   |       | _            | 145        | 十十           | Н                  | Н        | $\dashv$       | $\dashv$ | $\dashv$        |  | Η.             | H      |
| 46                |                            |           |          |             |               |  |              |  |              | П        |      |          | 96       | Г  | П  |              |          | $\exists$ |          | $\neg$   | _        |                | Н  |       | _            | 146        | Н            |                    | Н        | -              | $\dashv$ | $\vdash$        | Н  | H              | H      |
| 47                | J                          |           |          |             |               |  |              |  |              |          |      | Г        | 97       |  |  |              |          |           | $\neg$   | $\neg$   | $\dashv$ |                | $\Box$   |       |              | 147        | П            | П                  |          | 7              | $\dashv$ | $\vdash \vdash$ | $\dashv$   | $\vdash$       | H      |
| 48                | $\Box$                     |           |          |             |               |  |              |  |              |          |      |          | 98       |  |  |              |          |           |          |          |          |                |  |       |              | 148        |              | Н                  |          |                | ٠.       | $\dashv$        | $\dashv$   | $\vdash$       | Γ      |
| 49                | 4                          | _         | $\bot$   | _[          |               | Ш  |              |  |              |          |      | L        | 99       |  |  |              |          |           |          |          |          | $\Box$         |  |       |              | 149        |              |                    |          | _              |          |                 |  |                |        |
| 50                | $\perp$                    | _1        | _        | l           |               |  |              |  | $\Box$       | Щ.       |      |          | 100      |  |  |              | _]       | $\Box$    |          | $\Box$   | $\Box$   | Ī              |  | - 1   |              | 150        |              |                    |          |                |          |                 |  |                | Γ      |

If more than 150 claims or 10 actions staple additional sheet here